

LCD CELL CONSTRUCTION BY MECHANICAL THINNING OF A COLOR
FILTER SUBSTRATE

ABSTRACT OF THE DISCLOSURE

5 A display device and method for fabricating a liquid
crystal cell are disclosed. A liquid crystal cell includes
a first substrate, and a second substrate attached to the
first substrate. The first substrate has a same thickness
as the second substrate. The first substrate is lapped at a
10 first rate while concurrently lapping the second substrate
at a second rate, which is different from the first rate.
The first substrate and the second substrate are thinned to
different thicknesses. The thinner of the first and second
substrates is provided on a viewer side of a collimate and
15 post diffuse type liquid crystal cell to reduce
depixelization.